

ABSTRACT OF THE INVENTION

[0033] An infiltration apparatus, having a cannula, a flexible tubing connecting to one end of the cannula, a peristaltic pump comprising a pathway for the flexible tubing to extend through and a plurality of non-conductive rollers installed along the pathway to exerting force on the flexible tubing, a container in fluid communication with the cannula via the flexible tubing extending through the peristaltic pump, a foot pedal pneumatically connected to the peristaltic pump to control operation thereof. The response of the foot pedal can be programmed into various modes. Under one of the modes, when the foot pedal is depressed, the peristaltic pump is switched on and remains as long as the foot pedal is depressed. Once the foot pedal is released, the peristaltic pump is switched off. Under another mode, one depression event, regardless how long the depression event lasts, the peristaltic pump is switched from on to off, or from off to on, and remains off/on before a next depression event occurs. The flow rate of the fluid can also be adjusted by controlling duration for depressing the foot pedal.